



DIESEL GENERATOR SETS

HEXAGEN

Powered by CUMMINS Engines

HGC-55

60HZ

Output Ratings

Single Phase, 60Hz , 1800RPM		
Output	Standby Power	Prime Power
	50KVA/40KW	43KVA/35KW
	220V-440V@3phase 220-230V@ 1phase	98.5A-196.9A

Performance Data

Engine Brand & Model		Cummins & 4BTA3.9-G2
Alternator Brand & Model		Meccalte & ECP32 2M4B
Control System		DSE4620
Standard Noise Level@7m (Soundproof Sets)		70dBA
Circuit Breaker Type		3 Pole MCCB
Tank (L)	Open sets	110
	Soundproof Sets	140
Fuel Consumption (l/hr)	110% Load	17.4
	100% Load	15.9
	75% Load	12.2
	50% Load	8.7

Ratings at 0.8 power factor

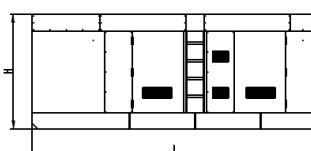
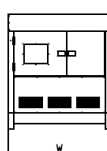
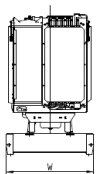
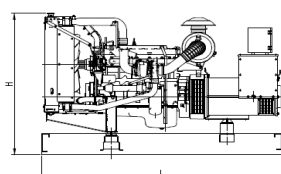
- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without over load;
- 3) Prime Power-Continuous duty operation, , under variable load 24/24h-10% over load permissible 1 hour/12 hours, capable from 230%to 300% overload for 10 seconds.

Features

- Strong power, high torque, easy to maintain, easy to start heavy duty Starter Motor
- Low noise, low emissions; Heavy duty industrial muffler,
- Cabinet made of high quality sheet metal, corrosion-resistant, scratch-resistant;
- Canopy sealing performance, high waterproof, dust-proof, rain, dust and other difficult to access, Flexible exhaust connector
- Omni-directional control, easy connection and simple;
- Cranes, fork, pull, drag, easy transportation;
- ≥8-hour fuel tanks;Base-mounted full load operation complete with necessary fittings/accessories.
- Open Type with 40 c radiator, Soundproof type with 50 °C radiator , Radiator guard, fan guard, belt guard
- Brush type AC type, 6 voltage ranges available
- 12 Leads reconnect table either single or three phase
- Built in solid state AVR ;regulation 1.5% to .5% from no load to full load Including cold to hot variation on any power factor between 0.8 lag and Unity; inclusive of speed variation; Voltage adjustment via rheostat
- Prelubricated sealed type lifetime bearings
- Capable from 230% to 300% overload for 10 seconds

Dimensions and Weights

Content		Open Sets	Soundproof Sets
Dimensions: (mm)	L	1840	2530
	W	820	1030
	H	1320	1460
Weights (kg)		920	1400



Engine Brand / Model: CUMMINS /4BTA3.9-G2

No. of Cylinders / Alignment	4/ In Line	Gross Engine	Standby	66
Cycle	4 Stroke	Power (kW)	Prime	60
Bore / Stroke	102 mm / 120 mm	Compression Ratio		17.3:1
Induction	Turbocharged & Aftercooled	Displacement (L)		3.9
Cooling Method	Water	Governing Type		Mechanical
Lubricant Oil	15W40-CF4 Upgrade	Net weight (kg)		308
Lubricant Oil Capacity (L)	10.9	Coolant Capacity (L)		8.3

Alternator Brand / Model: Meccalte / ECP32 2M4B

Standby Capacity (KVA)	75	A.V.R. Model	AS480
Standby Power (kW)	60	Voltage Regulation (no load- full load)	± 1.0%
THF(BS EN60034 – 1)	<2%	Underspeed Protection	Standard
Bearing Number	Single	Protection	IP23
Windings	100% Copper	Phase Sequence	A(U), B(V), C(W)
Silicon Steel Core Processing	One Piece Punching	TIF(NEMA MG 1-22)	<50
Insulation Class	H	Excitation System	Self-excited, SHUNT
Winding Pitch	2 / 3	Ambient Temp	50 °C
Amortisseur Winding	Full	Stator Rated Temp	125 °C

Control System :



DSE4620

DSE4620 is the Auto Start Module when mains failure, used to control a single generator set. Used for control of diesel and gas engine, providing advanced engine testing and protection function.

The DSE4620 module includes a backlit LCD display which clearly shows the status of the engine at all time..

The module can monitor the frequency, voltage, current, oil pressure, water temperature and fuel level and also display the warning and shutdown status of the engine.

The module includes 7 roads input and 6 roads output. Program can be set by panel and PC software suite.

E-Mail: powerequipment@hexagon.com.ph

We reserve the right to make changes in model, technical specification, color, configuration and accessories without prior notice.
Please contact the us before ordering.